

0300
#8
CRFI

ENTERED



OIKE

RAW SEQUENCE LISTING

DATE: 07/17/2002

PATENT APPLICATION: US/10/001,934

TIME: 07:14:31

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP

Output Set: N:\CRF3\07172002\J001934.raw

3 <110> APPLICANT: NAGY, ZOLTAN
 5 <120> TITLE OF INVENTION: HUMAN PEPTIDES/PROTEINS CAUSING OR LEADING TO THE
 6 KILLING OF CELLS INCLUDING LYMPHOID TUMOR CELLS
 8 <130> FILE REFERENCE: GPCG-P01-003
 10 <140> CURRENT APPLICATION NUMBER: 10/001,934
 11 <141> CURRENT FILING DATE: 2001-11-15
 13 <160> NUMBER OF SEQ ID NOS: 63
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 10
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: CDR3 consensus
 24 sequence
 26 <220> FEATURE:
 27 <221> NAME/KEY: MOD_RES
 28 <222> LOCATION: (1)..(4)
 29 <223> OTHER INFORMATION: Any amino acid
 31 <220> FEATURE:
 32 <221> NAME/KEY: MOD_RES
 33 <222> LOCATION: (7)
 34 <223> OTHER INFORMATION: Any amino acid
 36 <220> FEATURE:
 37 <221> NAME/KEY: MOD_RES
 38 <222> LOCATION: (10)
 39 <223> OTHER INFORMATION: Any amino acid
 41 <400> SEQUENCE: 1
 W--> 42 Xaa Xaa Xaa Xaa Arg Gly Xaa Phe Asp Xaa
 43 1 5 10
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 8
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Artificial Sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Description of Artificial Sequence: CDR3 consensus
 53 sequence
 55 <220> FEATURE:
 56 <221> NAME/KEY: MOD_RES
 57 <222> LOCATION: (5)..(8)
 58 <223> OTHER INFORMATION: Any amino acid
 60 <400> SEQUENCE: 2
 W--> 61 Gln Ser Tyr Asp Xaa Xaa Xaa Xaa

RAW SEQUENCE LISTING

DATE: 07/17/2002

PATENT APPLICATION: US/10/001,934

TIME: 07:14:31

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP

Output Set: N:\CRF3\07172002\J001934.raw

```

62      1              5
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 9
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 3
71 Ser Pro Arg Tyr Gly Ala Phe Asp Tyr
72      1              5
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 8
77 <212> TYPE: PRT
78 <213> ORGANISM: Homo sapiens
80 <400> SEQUENCE: 4
81 Gln Ser Tyr Asp Leu Ile Arg His
82      1              5
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 8
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <400> SEQUENCE: 5
91 Gln Ser Tyr Asp Met Asn Val His
92      1              5
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 13
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: CDR1 consensus
102      sequence
104 <220> FEATURE:
105 <221> NAME/KEY: MOD_RES
106 <222> LOCATION: (4)..(5)
107 <223> OTHER INFORMATION: Any amino acid
109 <220> FEATURE:
110 <221> NAME/KEY: MOD_RES
111 <222> LOCATION: (9)
112 <223> OTHER INFORMATION: Any amino acid
114 <220> FEATURE:
115 <221> NAME/KEY: MOD_RES
116 <222> LOCATION: (13)
117 <223> OTHER INFORMATION: Any amino acid
119 <400> SEQUENCE: 6
W--> 120 Ser Gly Ser Xaa Xaa Asn Ile Gly Xaa Asn Tyr Val Xaa
121      1              5              10
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 13
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 07/17/2002

PATENT APPLICATION: US/10/001,934

TIME: 07:14:31

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP

Output Set: N:\CRF3\07172002\J001934.raw

```

130 <223> OTHER INFORMATION: Description of Artificial Sequence: CDR1 consensus
131     sequence
133 <400> SEQUENCE: 7
134 Ser Gly Ser Glu Ser Asn Ile Gly Asn Asn Tyr Val Gln
135   1             5             10
138 <210> SEQ ID NO: 8
139 <211> LENGTH: 8
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
145     STREP tag
147 <400> SEQUENCE: 8
148 Trp Ser His Pro Gln Phe Glu Lys
149   1             5
152 <210> SEQ ID NO: 9
153 <211> LENGTH: 4
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic FLAG
159     tag
161 <400> SEQUENCE: 9
162 Asp Tyr Lys Asp
163   1
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 17
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
174 <400> SEQUENCE: 10
175 gtggtggttc cgatatc                                     17
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 44
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
186 <400> SEQUENCE: 11
187 agcgtcacac tcggtgcggc ttctggctgg ccaagaacgg gtta       44
190 <210> SEQ ID NO: 12
191 <211> LENGTH: 13
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 12
196 Ser Gly Ser Ser Asn Ile Gly Ser Asn Tyr Val Ser
197   1             5             10
200 <210> SEQ ID NO: 13

```

RAW SEQUENCE LISTING

DATE: 07/17/2002

PATENT APPLICATION: US/10/001,934

TIME: 07:14:31

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP

Output Set: N:\CRF3\07172002\J001934.raw

```

201 <211> LENGTH: 13
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 13
206 Ser Gly Ser Glu Ser Asn Ile Gly Ser Asn Tyr Val His
207   1           5           10
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 13
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 14
216 Ser Gly Ser Glu Ser Asn Ile Gly Ser Asn Tyr Val Ala
217   1           5           10
220 <210> SEQ ID NO: 15
221 <211> LENGTH: 13
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 15
226 Ser Gly Ser Asp Ser Asn Ile Gly Ala Asn Tyr Val Thr
227   1           5           10
230 <210> SEQ ID NO: 16
231 <211> LENGTH: 13
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 16
236 Ser Gly Ser Glu Pro Asn Ile Gly Ser Asn Tyr Val Phe
237   1           5           10
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 13
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 17
246 Ser Gly Ser Glu Ser Asn Ile Gly Asn Asn Tyr Val Gly
247   1           5           10
250 <210> SEQ ID NO: 18
251 <211> LENGTH: 13
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 18
256 Ser Gly Ser Glu Ser Asn Ile Gly Ala Asn Tyr Val Asn
257   1           5           10
260 <210> SEQ ID NO: 19
261 <211> LENGTH: 10
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 19
266 Gln Tyr Gly His Arg Gly Gly Phe Asp His
267   1           5           10
270 <210> SEQ ID NO: 20

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/001,934

DATE: 07/17/2002

TIME: 07:14:31

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP

Output Set: N:\CRF3\07172002\J001934.raw

271 <211> LENGTH: 9
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 20
276 Gly Tyr Gly Arg Tyr Ser Pro Asp Leu
277 1 5
280 <210> SEQ ID NO: 21
281 <211> LENGTH: 8
282 <212> TYPE: PRT
283 <213> ORGANISM: Homo sapiens
285 <400> SEQUENCE: 21
286 Gln Gln Tyr Ser Asn Leu Pro Phe
287 1 5
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 8
292 <212> TYPE: PRT
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 22
296 Gln Ser Tyr Asp Met Pro Gln Ala
297 1 5
300 <210> SEQ ID NO: 23
301 <211> LENGTH: 8
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 23
306 Gln Ser Tyr Asp Leu Thr Met Gly
307 1 5
310 <210> SEQ ID NO: 24
311 <211> LENGTH: 8
312 <212> TYPE: PRT
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 24
316 Gln Ser Tyr Asp Phe Ser His Tyr
317 1 5
320 <210> SEQ ID NO: 25
321 <211> LENGTH: 8
322 <212> TYPE: PRT
323 <213> ORGANISM: Homo sapiens
325 <400> SEQUENCE: 25
326 Gln Ser Tyr Asp Ile Gln Leu His
327 1 5
330 <210> SEQ ID NO: 26
331 <211> LENGTH: 8
332 <212> TYPE: PRT
333 <213> ORGANISM: Homo sapiens
335 <400> SEQUENCE: 26
336 Gln Ser Tyr Asp Phe Ser Val Tyr
337 1 5
340 <210> SEQ ID NO: 27

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/001,934

DATE: 07/17/2002
TIME: 07:14:32

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP
Output Set: N:\CRF3\07172002\J001934.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,7,10

Seq#:2; Xaa Pos. 5,6,7,8

Seq#:6; Xaa Pos. 4,5,9,13

VERIFICATION SUMMARY

DATE: 07/17/2002

PATENT APPLICATION: US/10/001,934

TIME: 07:14:32

Input Set : N:\Crf3\Datahold\EFS\10001934\GPCG-P01-003SequenceListing.APP :

Output Set: N:\CRF3\07172002\J001934.raw

L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0